

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/094290 A3

(51) International Patent Classification⁷: **B66B 13/26,**
E05F 15/00

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(21) International Application Number:
PCT/GB2004/001764

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(22) International Filing Date: 26 April 2004 (26.04.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0309310.1 24 April 2003 (24.04.2003) GB

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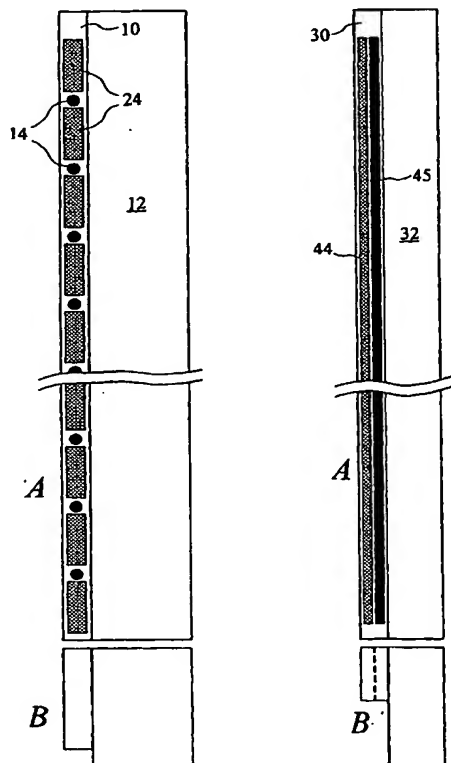
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

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[Continued on next page]

(54) Title: MULTIFUNCTION EDGE DEVICE FOR POWERED DOORS



(57) Abstract: An edge device for an elevator door includes an
elongate array of infrared transmitters and/or receivers and a proximate
elongate array of illuminable elements, both arrays extending for a
substantial part of the length of the door. The illuminable elements
are adapted to be illuminated when the door is in motion. The two arrays
are disposed in a common carrier structure, being either vertically
interleaved or extending vertically in parallel with each other.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
10 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Inte Application No
PCT/GB2004/001764

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B66B13/26 E05F15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B66B E05F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12, 3 January 2001 (2001-01-03) & JP 2000 238985 A (HITACHI BUILDING SYSTEMS CO LTD), 5 September 2000 (2000-09-05) abstract	1-13
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 17, 5 June 2001 (2001-06-05) & JP 8 259156 A (OTIS ELEVATOR CO), 8 October 1996 (1996-10-08) abstract	1-13
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

03. 12. 2004

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INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/GB2004/001764

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08, 29 September 1995 (1995-09-29) & JP 7 137970 A (MITSUBISHI DENKI BILL TECHNO SERVICE KK), 30 May 1995 (1995-05-30)	1,5,7, 9-13
A	abstract	2-4,6,8
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) & JP 10 087243 A (HITACHI LTD; HITACHI MITO ENG KK), 7 April 1998 (1998-04-07)	1,5,7, 9-13
A	abstract	2-4,6,8
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03, 29 March 1996 (1996-03-29) & JP 7 309568 A (HITACHI BUILDING SYST ENG & SERVICE CO LTD), 28 November 1995 (1995-11-28)	1-13
X	WO 00/77447 A (PACINI PAOLO ; MASOTTI LEONARDO (IT)) 21 December 2000 (2000-12-21)	14,15, 20-24, 26,28-30
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Y	column 3, line 8 - column 5, line 52	16-19, 28,30
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X	EP 0 350 154 A (PARKER HANNIFIN CORP) 10 January 1990 (1990-01-10)	14,15, 20-24
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Y	column 2, lines 7-34	15-19,30
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Y	column 1, line 45 - column 2, line 36	16-19,30
A		21,26,27
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INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB2004/001764

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 875 456 A (KANO TSUYOSHI ET AL) 1 April 1975 (1975-04-01) column 2, line 41 - <u>column</u> 6, line 34	15-19, 28,30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/001764

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

An edge device for a powered door, comprising elongated arrays of transmitters and receivers, and elongate illuminable elements adapted to be illuminated when the door is open so as to be visible to users.

2. claims: 14-30

An edge device illuminable element being elongate and comprising at least one localised source of light and a light-emitting surface.

INTERNATIONAL SEARCH REPORT

Inte al Application No
PCT/GB2004/001764

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